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*CITHAREXYLUM CALVUM* Mold., sp. nov.

Frutex ramis ramulisque gracillimis glabris longitudinaliter striatis angulatisque nigrescentibus, foliis ovatis vel lanceolato-ovatis chartaceis viridulus 4--7 cm. longis 2--4.5 cm. latis utrinque glabris apicaliter acutis vel breviter acuminatis marginaliter integris basaliter acutis vel rotundatis, inflorescentiis terminalibus solitariis simplicibus brevibus 4--7 cm. longis submultifloris, pedunculis rhachideque gracillimis viridibus, calyce obconico ca. 5 mm. longo apicaliter 3 mm. lato glabro margine breviter 5-lobato lobis obtusis, corolla alba tubo 5 mm. longo lobis patentibus 1--1.5 mm. longis extus minutissime puberulis.

Shrub; branches and branchlets apparently very slender, glabrous, longitudinally angular-striate and ridged, nigrescent in drying; petioles slender, about 5 mm. long, subglabrous; leaf-blades chartaceous, rather uniformly bright-green on both surfaces, ovate or lanceolate-ovate, 4--7 cm. long, 2--4.5 cm. wide, apically acute or short-acuminate, marginally entire, basally acute or rounded, very glabrous on both surfaces; inflorescence racemiform, terminal, solitary, simple, relatively many-flowered, 4--7 cm. long, the short peduncles and rachis very slender, green, very minutely and microscopically puberulous; calyx in anthesis obconic, about 5 mm. long, apically 3 mm. wide, externally glabrous, the rim plainly and regularly 5-lobed, the lobes short and apically obtuse; corolla white, its tube equaling or very slightly exerted from the calyx, the lobes spreading, apically rounded, externally very minutely puberulous.

The species is based on *M. Sousa & E. Cabrera 12309* from 7 km. north of Puerto Morelos, Quintana Roo, Mexico, collected on May 1, 1982, and deposited in the Lundell Herbarium at the University of Texas.

*CITHAREXYLUM DONNELL-SMITHII* var. *PUBESCENS* Mold., var. nov.

Haec varietas a forma typica speciei laminis foliorum subtus densissime puberulentis recedit.

This variety differs from the typical form of the species in having its leaf-blades very densely puberulent beneath.

The variety is based on *L. Alfredo Pérez J. 1125* from a low deciduous forest at Estación de Biología de Chamela, Jalisco, Mexico, collected on March 30, 1975, and deposited in the Lundell Herbarium at the University of Texas. The collector describes the plant as a tree, 7 m. tall, the bark yellowish gray-brown, separating in longitudinal scaly strips.

*CITHAREXYLUM HEXANGULARE* f. *PARVIFOLIUM* Mold., f. nov.

Haec forma a forma typica speciei foliis maturis 2.5--8 cm. longis 0.8--1.4 cm latis recedit.

This form differs from the typical form of the species in having its apparently mature leaves much smaller, only 2.5--8 cm. long and 0.8--1.4 cm. wide.

The type of the form was collected by Tom Wendt and A. Villalobos C. (no. 3465) on the banks of a river with potrero and acahual in the evergreen forest zone at Panga del Río Corte, 18 km. east of Boca del Monte, in the municipality of Matías Romero, Oaxaca, Mexico, at 70 m. altitude, lat. 17°05' N/. long. 94°53' 45" W., on November 25, 1981, and is deposited in the Lundell Herbarium at the University of Texas. The collectors describe the plant as a shrub, 2--3 m. tall, the flowers fragrant, and the corollas white.

*GMELENA ASIATICA* f. *PARVIFOLIA* (Roxb.) Mold., stat. nov.

*Gmelina parvifolia* Roxb., Pl. Coast. Coromand. 2: 32, pl. 162. 1798.

*GMELENA ASIATICA* f. *INERMIS* (Wight) Mold., stat. nov.

*Gmelina inermis* Wight ex Wall., Numer. List 87, no. 1816d, hyponym. 1831. Ramis ramulisque semper inermibus.

*LANTANA OVATA* var. *PUBESCENS* Mold., var. nov.

Haec varietas a forma typica speciei laminis foliorum subtus densissime pubescentibus recedit.

This variety differs from the typical form of the species in having the lower surface of its leaf-blades very densely pubescent.

The type of the variety was collected by D. C. Daly, M. J. G. Hopkins, L. E. Forero, S. Beck, W. Hernández, H. Phipps III, and H. Wolf (no. 2121) occasional in disturbed semi-deciduous forest on a gentle slope at Serrania de Santiago, 2 km. east of the town of Santiago de Chiquitos, in the province of Chiquitos, Santa Cruz, Bolivia, on July 19, 1983, and is deposited in the Lundell Herbarium at the University of Texas. The collectors describe the plant as a little-branched subshrub, 50 cm. tall, growing in clumps, the corollas lilac with yellow centers.

*LIPPIA ELEGANS* var. *MACROPHYLLA* Mold., var. nov.

Haec varietas a forma typica speciei laminis foliorum superioribus usque ad 9.5 cm. longis 5.5 cm. latis recedit.

This variety differs from the typical form of the species in its much larger upper leaves at and just below the inflorescences, these having blades to 9.5 cm. long and 5.5 cm. wide.

The type of the variety was collected by B. A. S. Pereira and R. C. Mendonça (no. 408) in the vicinity of Cachoeira do Pipiripau, Distrito Federal, Brazil, on March 16, 1983, and is deposited in the Britton Herbarium at the New York Botanical Garden. The collectors describe the plant as an "Arbusto delgado, ca. 1.8 m.

altura, folhas muita aromáticas, flores alvas, também aromáticas" and encountered it in a mata ciliar at 800 m. altitude "apos a ponte sobre o rio Pípiripau".

*LIPPIA GRISEA* var. *LATIFOLIA* Mold., var. nov.

Haec varietas a forma typica speciei laminis foliorum subrotundo-subobovatis usque ad 4 cm. latis recedit.

This variety differs from the typical form of the species in it broader leaf-blades, which are subrotund-subobovate and up to 4 cm. wide.

The type of the variety was collected by E. P. Héring, T. S. Filgueiras, B. C. Mendonça, and B. A. S. Pereira (no. 7050) at Bacia do Rio São Bartolomeu, Distrito Federal, Brazil, on June 15, 1981, and deposited in the Britton Herbarium at the New York Botanical Garden. The collectors describe the plant as "Subarbusto ca. 0.5 m. de altura, folhas e ramos com pubescencia branca, flores roseo claro ou brancas" and found it growing on "campo sobre morro cascalhento".

*LIPPIA MCVAUGHII* var. *LATIFOLIA* Mold., var. nov.

Haec varietas a forma typica speciei laminis foliorum maturis 4--6 cm. longis 2.5--4 cm. latis recedit.

This variety differs from the typical form of the species in having its mature leaf-blades ovate, 4--6 cm. long, and 2.5--4 cm. wide.

The variety is based on *L. Alfredo Pérez 389* from a low deciduous forest with legumes and cacti 2 miles from La Pintada, Jalisco, Mexico, collected on December 13, 1970, and deposited in the Lundell Herbarium at the University of Texas. The collector describes the plant as a tree, 5 m. tall, the corollas greenish-yellow.

*SYNGONANTHUS DENSIFLORUS* var. *BREVIPIES* Mold., var. nov.

Haec varietas a forma typica speciei caule erecto brevissimo recedit.

This variety differs from the typical form of the species in having its erect above-ground stem very short, almost indiscernible in the densely clustered basal leaves.

The variety is based on Héring, Filgueiras, Mendonça, & Pereira 7488 from "barra do correço", Cabeça do Veado, Lago Sul, Distrito Federal, Brazil, collected on August 12, 1982, and deposited in the Britton Herbarium at the New York Botanical Garden. The collectors refer to the plant as frequent in wet soil of brejo, the inflorescence white.